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UNITED STATES DEPARTMENT OF AGRICULTURE,
BUREAU OF ENTOMOLOGY,
WASHINGTON, D. C.

APICULTURE.

The following publications relating to apiculture, prepared in the Bureau of Entomology, are for free distribution and may be obtained by addressing the Secretary of Agriculture:

Farmers' Bulletin No. 59, "Bee Keeping." By Frank Benton. 1905. 47 pp.

A general account of the management of bees.

Circular No. 79, "The Brood Diseases of Bees." By E. F. Phillips, Ph. D. 1906. 5 pp.

This publication gives briefly the symptoms of the various brood diseases, with directions for treatment.

Circular No. 94, "The Cause of American Foul Brood." By G. F. White, Ph. D. 1907. 4 pp.

This publication contains a brief account of the investigations which demonstrated for the first time the cause of one of the brood diseases of bees, American foul brood.

Separate from Bulletin No. 61, "State and Territorial Laws Relative to Foul Brood." By L. O. Howard, Ph. D., and A. F. Burgess. 1906. Pp. 184-200.

A compilation of laws now in force which is useful to persons interested in the passage of new apiary inspection laws.

The following publications are not for free distribution but may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., at the prices indicated. All remittances should be made payable to him and not to the Department of Agriculture, and should be sent by postal money order or by New York exchange. If currency is sent it is at the sender's risk; such remittances, however, usually arrive safely. STAMPS, PERSONAL CHECKS, or FOREIGN MONEY WILL NOT BE ACCEPTED IN ANY CASE.

BUREAU OF ENTOMOLOGY.

Bulletin No. 1, "The Honey Bee." By Frank Benton. 1899. 118 pp.

[This bulletin has been discontinued owing to the fact that later investigations have shown the error of certain portions which, when the bulletin was prepared, were generally accepted as correct. The subjects treated are discussed in the various later publications of the Bureau.]

Bulletin No. 55, "The Rearing of Queen Bees." By E. F. Phillips, Ph. D. 1905. 32 pp., 17 figs. Price 5c.

A general account of the methods used in queen rearing. Several methods are given so that the bee keeper may choose those best suited to his individual needs.

Bulletin No. 70, "Report of the Meeting of Inspectors of Apiaries, San Antonio, Tex., November 12, 1906." 1907. 79 pp., 1 plate. Price 15c.

Contains an account of the history of bee disease investigations, the relationship of bacteria to bee diseases, and a discussion of treatment by various inspectors of apiaries and other practical bee keepers who are familiar with diseases of bees.

Bulletin No. 75, Part I, "Production and Care of Extracted Honey." By E. F. Phillips, Ph. D. "Methods of Honey Testing for Bee Keepers." By C. A. Browne, Ph. D. 1907. 18 pp. Price 5c.

The methods of producing extracted honey with special reference to the care of honey after it is taken from the bees so that its value may not be decreased by improper handling. The second portion of the publication gives some simple tests for adulteration.

Bulletin No. 75, Part II, "Wax Moths and American Foul Brood." By E. F. Phillips, Ph. D. 1907. Pp. 19-22, 3 plates. Price 5c.

An account of the behavior of the two species of wax moths on combs containing American foul brood, showing that moths do not clean up the disease-carrying scales.

Bulletin No. 75, Part III, "Bee Diseases in Massachusetts." By Burton N. Gates. 1908. Pp. 23-32, map. Price 5c.

An account of the distribution of the brood diseases of bees in the State, with brief directions for controlling them.

Bulletin No. 75, Part IV, "The Relation of the Etiology (Cause) of Bee Diseases to the Treatment." By G. F. White, Ph. D. 1908. Pp. 33-42. Price 5c.

The necessity for a knowledge of the cause of bee diseases before rational treatment is possible is pointed out. The present state of our knowledge of the causes of disease is summarized.

Bulletin No. 75, Part V, "A Brief Survey of Hawaiian Bee Keeping." By E. F. Phillips, Ph. D. 1909. Pp. 43-58, 6 plates. Price 15c.

An account of the bee-keeping methods used in a tropical country and a comparison with mainland conditions. Some new manipulations are recommended.

Bulletin No. 75, Part VI, "The Status of Apiculture in the United States." By E. F. Phillips, Ph. D. 1909. Pp. 59-80. Price 5c.

A survey of present-day bee keeping in the United States, with suggestions as to the work yet to be done before apiculture will have reached its fullest development.

Bulletin No. 75, Part VII, "Bee Keeping in Massachusetts." By Burton N. Gates. 1909. Pp. 81-109. Price 5c.

An account of a detailed study of the apicultural conditions in Massachusetts. The object of this paper is to find out what are the actual conditions and needs of bee keeping in New England.

Bulletin No. 75. VII Parts. 1909. Price To be issued as a complete bulletin. (In preparation.)

Technical Series, No. 14, "The Bacteria of the Apiary, with Special Reference to Bee Diseases." By G. F. White, Ph. D. 1906. 50 pp. Price 10c.

A technical study of the bacteria found under normal conditions, with special attention to those found in diseased brood.

BUREAU OF CHEMISTRY.

Bulletin No. 110, "Chemical Analysis and Composition of American Honeys." By C. A. Browne. Including "A Microscopical Study of Honey Pollen." By W. J. Young. 1908. 93 pp. Price 20c.

A very comprehensive study of the chemical composition of American honeys. This publication is technical in nature and will perhaps be little used by practical bee keepers, but it is an important contribution to apicultural literature. By means of this work the detection of honey adulteration is much aided.

Applications for the following publication may be addressed to the Secretary of Agriculture:

HAWAII AGRICULTURAL EXPERIMENT STATION, HONOLULU, HAWAII.

Bulletin No. 17, "Hawaiian Honeys." By D. L. Van Dine and Alice R. Thompson. 1908. 21 pp., 1 plate.

A study of the source and composition of the honeys of Hawaii. The peculiar conditions found on these islands are dealt with.

The apicultural investigations of the Bureau of Entomology comprise several distinct lines of work and the results are published when completed. Announcement of the new publications is generally made in the journals devoted to bee keeping and new lists similar to this circular will be published from time to time.

The Bureau is pleased to give every aid possible to those interested in bee keeping by answering questions which may arise. The earnest cooperation of the bee-keeping public is solicited.

Respectfully,

A handwritten signature in cursive script, reading "L. O. Howard".

Chief of Bureau.

P. S.--The publications indicated by check mark have been mailed to you.

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